

## PRODUCTION OF RECOMBINANT LACTOFERRIN

### ABSTRACT OF THE DISCLOSURE

The verified cDNA sequences for human, bovine and porcine lactoferrin protein have been used to prepare recombinant lactoferrin for therapeutic and nutritional applications. Regions of the cDNA such as the Fe binding sites can be used to make an hLF polypeptide product.

The present invention provides novel plasmids, transfected eucaryotic cells and methods of producing these plasmids and transfected eucaryotic cells. The novel plasmid contains the cDNA for lactoferrin protein. Methods for the production of lactoferrin protein in fungi and bacteria are also provided. Thus, the present invention provides an efficient and economical means for the production of recombinant lactoferrin protein and lactoferrin related polypeptides.